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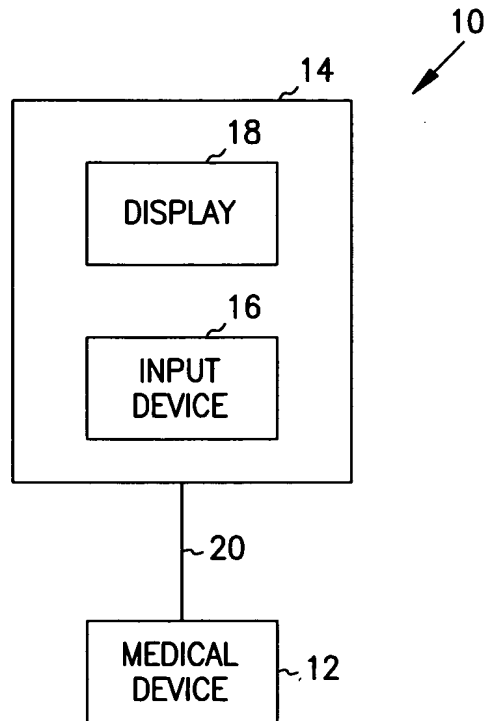


FIG. 1

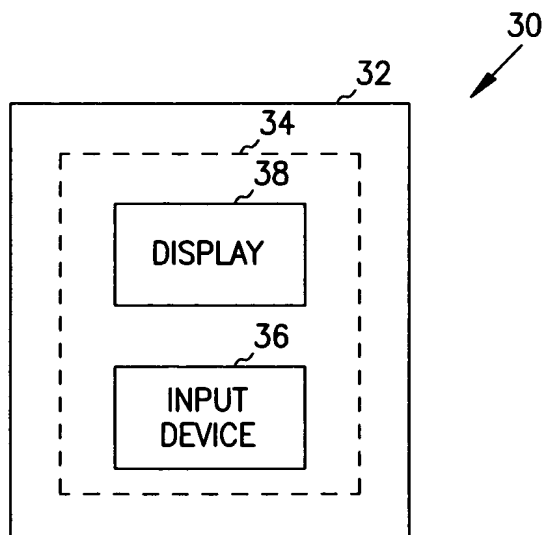


FIG. 2

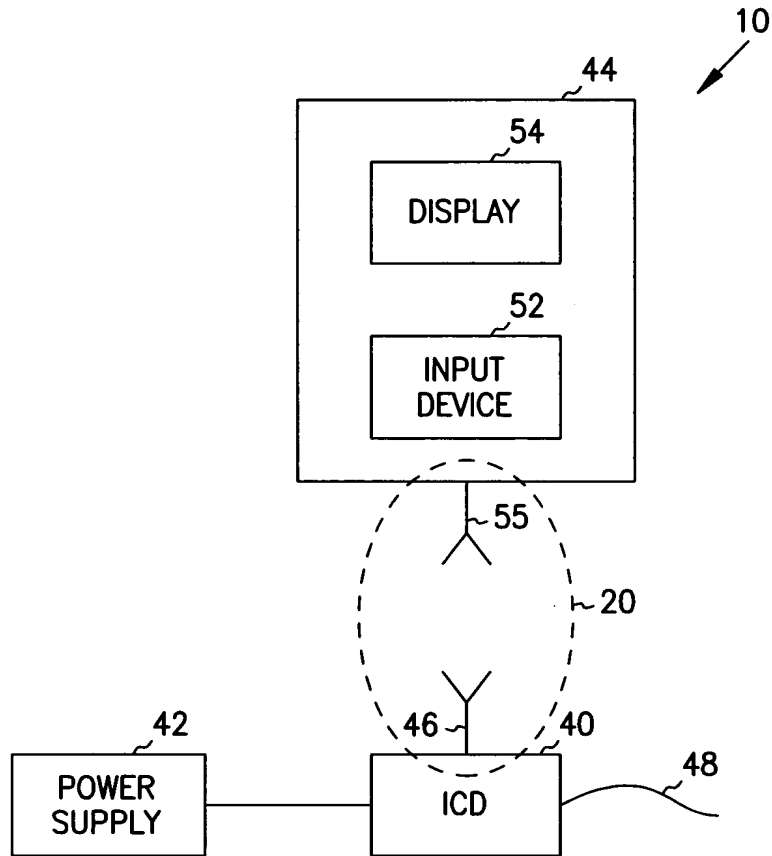


FIG. 3

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24

84

Utilities Tachy Mode Monitor only

Surface

Atrial A/V A/S V/S Vent

AS VS AS VS AS VS AS VS AS VS 70

72

74 125 bpm VT-1 145 bpm VT 165 bpm

76 2.5 sec SRD 2.5 sec 1.0 sec

78 V>A, A Fib, Onset ATP 5J 10J 31J AT PX2 5J 10J 31J 10J 20J 31J+

80

Zones 1 2 3

DDDR 60-90 ppm MTR 80 ppm

88

Initial Detection Present Change

Rate 145 bpm 414 bpm 2.5 sec

Interval

Duration

VT-1 Detection

Redetection Present Change

Redetection Duration 1.0 sec 1.0 sec

Post-shock Duration

94

90

Detection Enhancements On

☒ Atrial Tachyarrhythmia Discrimination

☒ Sinus Tachycardia Discrimination

Present Change

82

86

Cancel Changes

System Summary Quick Check Tachy Parameters Brady Parameters Setup Therapy History Diagnostic Evaluation EP Test

FIG. 4

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Utilities ▾

Tachy Mode ▾

Monitor only

DDD

60-90 ppm

MTR 80 ppm

Surface

Atrial

Vent

A/V

A/S

V/S

AS VS

AS VS

AS VS

AS VS

AS VS

Zones

1

2

3

125 bpm VT-1

145 bpm VT

165 bpm

2.5 sec SRD

V>A, A Fib, Onset

ATP 5J 10J 31J

2.5 sec

AT PX2 5J 10J 31J

10J 20J 31J+

1.0 sec

Initial Detection

Rate

Interval

Duration

Present Change

145 bpm

414 ms

2.5 sec

Redetection

Redetection Duration

Post-shock Duration

Present Change

1.0 sec

1.0 sec

VT-1 Detection

94

90

☒ Detection Enhancements On ☐

☒ Atrial Tachyarrhythmia Discrimination

☒ Sinus Tachycardia Discrimination

Quick Check

Tachy Parameters

Brady Parameters

Setup

Diagnostic Evaluation

EP Test

Cancel Changes

FIG. 5

92

WT-1 Detection Enhancements

Initial	Present	Change	Redetection	Present	Change
W Rate > A Rate	On		Post-Shock	On	
A Fib Rate Threshold	Off		W Rate > A Rate	10	
Stability	10		A Fib Rate Threshold	9	
And	9%	Or	Stability	0:30	
Onset			Sustained Rate Duration		
Sustained Rate Duration	0:30				

Cancel Changes

Close

FIG. 6

92

The screenshot shows a window titled "VT Detection Enhancements". Inside, there are two columns of data. The left column is labeled "Initial" and contains the text "Shock of Unstable". The right column is labeled "Present" and contains the value "10". Below these columns is a "Change" label followed by a text input field containing "ms". At the bottom left is a button labeled "Cancel Changes", and at the bottom right is a button labeled "Close". A reference number "92" with a leader line points to the top-left corner of the window frame.

Initial	Present
Shock of Unstable	10

Change

Cancel Changes Close

FIG. 7

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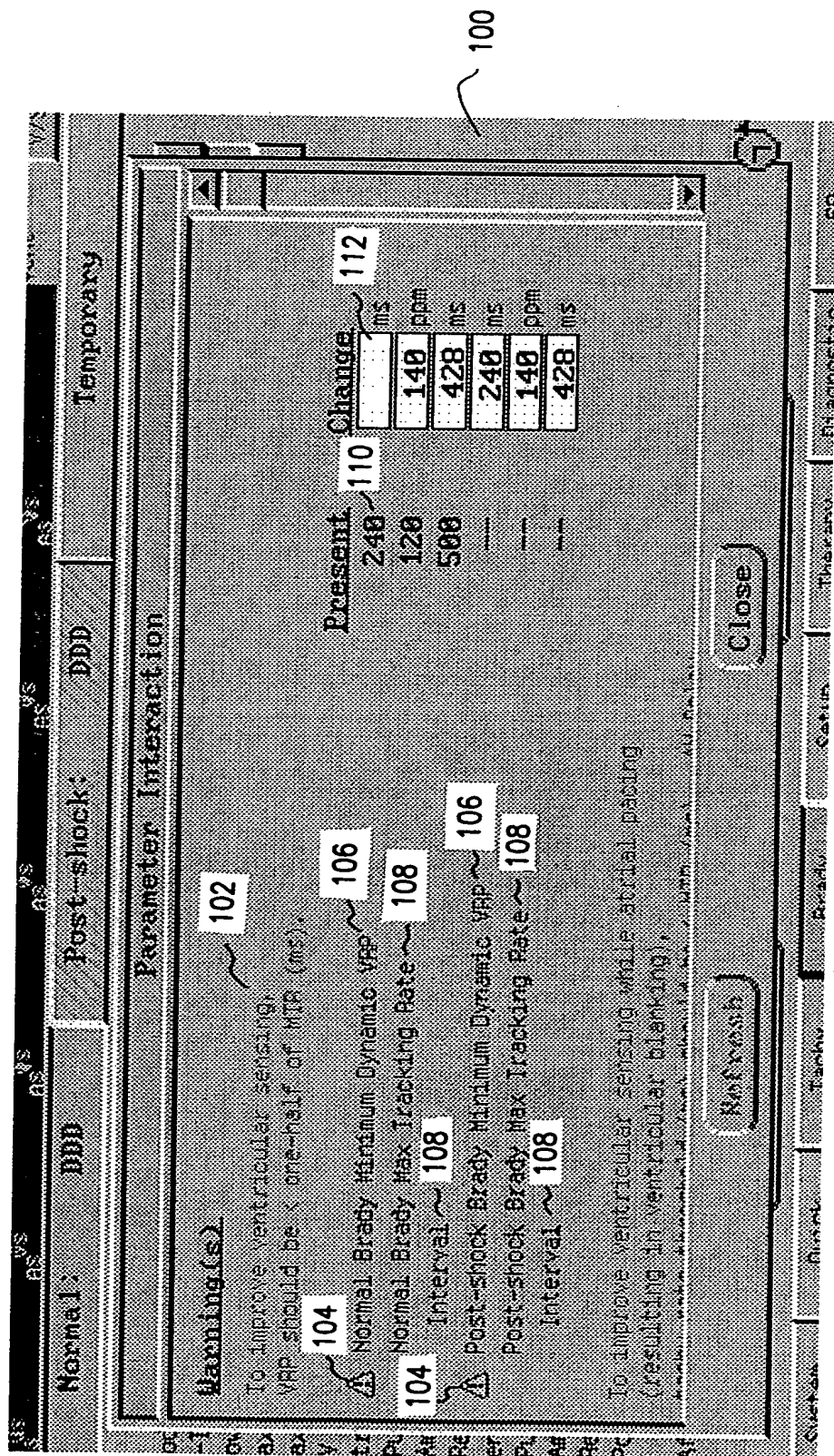


FIG. 8

Parameter Interaction

Warning(s)

To improve ventricular sensing, VPP should be < one-half of NIP (ms).

☒ Normal Brady Minimum Dynamic VPP ~ 106

☐ Normal Brady Max Tracking Rate ~ 108

☒ Post-shock Brady Minimum Dynamic VPP ~ 116

☒ Post-shock Brady Max Tracking Rate ~ 108

☐ Interval ~ 108

To improve ventricular sensing while atrial pacing (resulting in ventricular blanking),

Present	Change	112
240	ms	140
120	ppm	428
500	ms	240
---	ms	120
---	ppm	500

Refresh

Close

FIG. 9

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Parameter Interaction

Brady

MTR must be \leq tachy rate threshold - 5 bpm.

Normal Brady Max Tracking Rate

VT-1 Rate ~ 108

Warning(s)

To improve ventricular sensing, VAP should be $<$ one-half of MTR (ms).

Normal Brady Minimum Dynamic VAP

Normal Brady Max Tracking Rate ~ 108 Interval

Present

120 bpm

Change

140 bpm

Present

240 ms

Change

110 ms

Present

120 ppm

Change

140 ppm

Present

500 ms

Change

428 ms

Refresh
Close

FIG. 10